

Practitioner's Docket No. 51743

**PATENT** 



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231

#### NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): John G. CARTER, Jack D. FELLMAN, Jacek M. KNOP and Martin W. BAYES

**WARNING:** 37 CFR 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title): IMPROVED CLEANING COMPOSITION

## **CERTIFICATION UNDER 37 C.F.R. 1.10\***

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date <u>September 9, 2003</u>, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number <u>EV342619416US</u>, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Deanna M. Rivernider

(type or print name of person mailing paper)

Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to

obtain a date of mailing or transmission for this correspondence.

\*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label

placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will

not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

13.	Fee Payment Being Made at This Time						
	[ ]	Not E	Enclosed				
		[]	No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. 1.1	6(e) can be paid subsequently.)			
	[X]	Enclo	osed				
		[X]	Filing fee	\$_750.00			
		[]	Recording assignment (\$40.00; 37 C.F.R. 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION.")	\$			
		[]	Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. 1.47 and 1.17(i))	\$			
		[]	For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. 1.52(d) and 1.17(k))	\$			
		[]	Processing and retention fee (\$130.00; 37 C.F.R. 1.53(d) and 1.21(l))	\$			
		[]	Fee for international-type search report (\$40.00; 37 C.F.R. 1.21(e))	\$			
NOTE:	applicati order to	on pursi obtain i	establishes a fee for processing and retaining any application that uant to 37 CFR 1.53(f) and this, as well as the changes to 37 C the benefit of a prior U.S. application, either the basic filing for 1.21(l) must be paid, within 1 year from notification under § 53(f).	FR 1.53 and 1.78(a)(1), indicate that in ee must be paid, or the processing and			
			Total Fees Enclosed	\$_750.00			
14.	Metho	d of P	ayment of Fees				
	[X]	Chec	k in the amount of \$_750.00				
	[]		ge Account No in the amount of \$ plicate of this transmittal is attached.				
15.	Autho	rizatio	n to Charge Additional Fees				
WARNING:		If no fees are to be paid on filing, the following items should <u>not</u> be completed.					
WARNI	ING:		ately count claims, especially multiple dependent claims, to avoides are authorized.	l unexpected high charges, if extra claim			
	[X]		Commissioner is hereby authorized to charge the far and during the entire pendency of this application to				

- [X] 37 C.F.R. 1.16(a), (f) or (g) (filing fees)
- [X] 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- [X] 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- [X] 37 CFR 1.17(a)(1)-(5) (extension fees pursuant to  $\S$  1.136(a).
- [X] 37 C.F.R. 1.17 (application processing fees)
- NOTE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 CFR 1.136(a)(3).
  - [ ] 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))
- NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance.

  37 CFR 1.311(b)).
- NOTE: 37 CFR 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . issue fee." From the wording of 37 CFR 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

## 16. Instructions as to Overpayment

O 111 A

NOTE: "... Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 CFR 1.26(a).

04 1105

[X] Credit Account N	0
[] Refund	John March
	SIGNATURE OF PRACTITIONER
Reg. No. 35,647	John J. Piskorski (type or print name of practitioner)
Tel. No.: (508) 229-7662	c/o EDWARDS & ANGELL, LLP P.O. Box 9169
Customer No.:	P.O. Address Boston, MA 02209

## 1. Type of Application

This new application is for a(n)

(check one applicable item below) [X] Original (nonprovisional) Design [] Plant Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. **WARNING:** 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-inpart application. **WARNING:** Do not use this transmittal for the filing of a provisional application. If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION NOTE: TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION. Divisional. Continuation. [] [] Continuation-in-part (C-I-P).

# 2. Benefit of Prior U.S. Application(s) (35 U.S.C. 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. 112. Each prior application must also be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
- (ii) Complete as set forth in § 1.51(b); or
- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

37 CFR 1.78(a)(1).

NOTE If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING:

If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

**WARNING:** 

When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).

[X] The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

#### 3. Papers Enclosed

A. Required for Filing Date under 37 C.F.R. 1.53(b) (Regular) or 37 C.F.R. 1.153 (Design) Application

<u>11</u> <u>2</u>	Pages	of Specification of Claims s of Drawing
	[]	Formal Informal
Other	Paper	s Enclosed
_1	Pages Other	of Abstract

WARNING:

B.

**DO NOT** submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and nonshiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. 1.84, see Notice of March 9, 1988 . . . (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page." 37 C.F.R. 1.84(c)).

(complete the following, if applicable)

[ ] The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).

4.	Additi	onal Pa	ipers Enclosed		
	<ul> <li>[] Preliminary Amendment</li> <li>[X] Information Disclosure Statement (37 C.F.R. 1.98)</li> <li>[X] Form PTO-1449</li> <li>[X] Citations</li> <li>[] Declaration of Biological Deposit</li> <li>[] Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.</li> <li>[] Authorization of Attorney(s) to Accept and Follow Instructions from Representative</li> <li>[] Special Comments</li> <li>[] Other:</li> </ul>				
5.	Declar	ation o	r Oath		
NOTE:	nonprov the inventor is submi inventor that dec under §	visional ap ntors nam I declarat itted. The is of the a laration r 1.47 has	declaration is not required in a continuation or divisional application provided the prior oplication contained a declaration as required, the application being filed is by all or fewer than all ned in the prior application, there is no new matter in the application being filed, and a copy of the tion filed in the prior application (showing the signature or an indication thereon that it was signed) copy must be accompanied by a statement requesting deletion of the names of person(s) who are not application being filed. If the declaration in the prior application was filed under § 1.47 then a copy of the filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person subsequently joined in a prior application, then a copy of the subsequently executed declaration must FR 1.63(d).		
NOTE:	identify together	each inve with any	ed to complete an application must be executed, identify the specification to which it is directed, entor by full name, including the family name, and at least one given name without abbreviation to other given name or initial, and the residence, post office address and country of citizenship of each to whether the inventor is a sole or joint inventor. 37 CFR 1.63(a)(1)-(4).		
	[]	Enclo	sed		
		Execu [ ] [ ] [ ]	(check all applicable boxes) inventor(s). legal representative of inventor(s). 37 CFR 1.42 or 1.43. joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.  [ ] This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee.		
	[X]	Not E	nclosed.		
NOTE:	applicat continue	ion conta ation or c	is a completion in the U.S. of an International Application, or where the completion of the U.S. tins subject matter in addition to the International Application, the application may be treated as a continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.		
		[]	Application is made by a person authorized under 37 C.F.R. 1.41(c) on behalf of all the above named inventor(s).		

(Th	e declara	ation or o	ath, aloi	ng with the surcharge required by 37 CFR 1.16(e), can be filed subsequently).
NOTE:	It is impo	ortant that	all the co	orrect inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).
			[]	Showing that the filing is authorized.  (not required unless called into question. 37 CFR 1.41(d))
6.	Invent	orship S	Stateme	nt
WARNI	NG:			ntors are each not the inventors of all the claims an explanation, including the ownership ims at the time the last claimed invention was made, should be submitted.
The inv	entorsh	ip for all	the cla	ims in this application are:
	[]	The sar		or
	[]		claime	An explanation, including the ownership of the various claims at the time d invention was made, mitted.
7.	Langu	age		
NOTE:	translati	on of the n	ion-Engli	signed oath or declaration may be filed in a language other than English. An English is language application and the processing fee of \$130.00 required by 37 CFR 1.17(k) is application, or within such time as may be set by the Office. 37 CFR 1.52(d).
	[X] [ ]	English Non-Er		
		[]		tached translation includes a statement that the translation is accurate. 37 1.52(d).
8.	Assign	ment		
	[X]	An assi	_	of the invention to Shipley Company, L.L.C. of Orough, Massachusetts
		[]	MENT	ched. A separate [ ] "COVER SHEET FOR ASSIGNMENT (DOCU- T) ACCOMPANYING NEW PATENT APPLICATION" or [ ] FORM 595 is also attached.
		[ ] [X]	was fil will fo	led in the parent application llow.
NOTE:				ted with a new application, send two separate letters-one for the application and one for May 4, 1990 (1114 O.G. 77-78).
WARNI	NG:			"STATEMENT UNDER 37 CFR 3.73(b)" must be filed when a continuation-in-part d by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

# 9. Certified Copy

Certified copy(ies) of application(s)

Coun	try	Appln. No.	Filed	
from which p	riority is claimed			
[ ] [ ] [ ]	is enclosed. was filed. will follow.			

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 CFR 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

## **10.** Fee Calculation (37 C.F.R. 1.16)

A. [X] Regular application

CLAIMS AS F	ILED				
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) \$750.00
Total Claims (37 CFR 1.16(c))	20	- 20 =	0	x \$ 18.00	\$0
Independent Claims (37 CFR 1.16(b))	3	- 3 =	0	x \$84.00	\$0
Multiple Dependent Claim(s), if any (37 CFR 1.16(d))			+	\$280.00	\$0

[]	Amendment canceling extra claims is enclosed.
[]	Amendment deleting multiple-dependencies is enclosed.
[]	Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 CFR 1.16(d).

Filing Fee Calculation	\$750.00

Filing Fee Calculation  (\$540.00—37 CFR 1.16(g)) Filing Fee Calculation  Small Entity Statement(s)  [] Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and attached.  WARNING:  "Status as a small entity must be specifically established in each application or patent in whi available and desired. Status as a small entity in one application or patent does not affect any or patent, including applications or patents which are directly or indirectly dependent upon the patent in which the status has been established. The refiling of an application under § 1.33 as division, or continuation-in-part (including a continued prosecution application under § 1.53 as division, or continuation-in-part (including a continued prosecution application under § 1.53 as division, or continuation in a nonprovisional application claiming benefit under 35 U.S. 121, or 365(c) of a prior application, or a reissue application may rely on a statement fill application or in the patent if the nonprovisional application or the reissue application include the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent or includes a copy of the statement in the prior in the patent and status as a small entity is still proper and desired. The payment of the small entity was claimed in prior application  [] Status as a small entity was claimed in prior application  on from which benefit is being claimed for this application from the patent in the prior application is included.  [] A copy of the statement in the prior application is included.  Filing Fee Calculation (50% of A, B or C above)  S  NOTE: Any excess of the full fee paid will be refunded if a small entity status is established refund request a months of the date of timely payment of a full fee. The two-month period is not extendable under § 1.136. 37 months of the date of timely payment of a full fee.						
(\$540.00—37 CFR 1.16(g)) Filing Fee Calculation  Small Entity Statement(s)  Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and attached.  WARNING:  "Status as a small entity must be specifically established in each application or patent in who available and desired. Status as a small entity in one application or patent does not affect any o or patent, including applications or patents which are directly or indirectly dependent upon the patent in which the status has been established. The reftling of an application under § 1.53 as division, or continuation-in-part (including a continued prosecution application under § 1.53 as division, or continuation-in-part (including a continued prosecution application under § 1.53 under sissue application requires a new determination as to continued entitlement small entitic continuing or reissue application, or a reissue application as to continue de neitlement in continuing or reissue application, or a reissue application or as tatement if application or in the patent if the nonprovisional application claiming benefit under 35 U.S. 121, or 365(c) of a prior application or in the patent or includes a copy of the statement in the por in the patent and status as a small entity is still proper and desired. The payment of the sistatutory filing fee will be treated as such a reference for purposes of this section." 37 CFR 1.286 (complete the following, if application  from which benefit is being claimed for this application on from which benefit is being claimed for this application and which status as a small entity is still proper and desired.  [ ] A copy of the statement in the prior application is included.  [ ] A copy of the statement in the prior application is included.  Filing Fee Calculation (50% of A, B or C above)  S						
Filing Fee Calculation  Small Entity Statement(s)  [] Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and attached.  WARNING:  "Status as a small entity must be specifically established in each application or patent in which available and desired. Status as a small entity in one application or patent does not affect any or or patent, including applications or patents which are directly or indirectly dependent upon the patent in which the status has been established. The refiling of an application under § 1.53 as division, or continuation-in-part (including a continued prosecution application under § 1.53 (d) a reissue application requires a new determination as to continued entitlement to small entit continuing or reissue application, or a reissue application may rely on a statement fill application or in the patent if the nonprovisional application or the reissue application include the statement in the prior application or in the patent or includes a copy of the statement in the por in the patent and status as a small entity is still proper and desired. The patent of the status are ference for purposes of this section." 37 CFR 1.286 (complete the following, if applicable)  [] Status as a small entity was claimed in prior application on this application on from which benefit is being claimed for this application and which status as a small entity is still proper and desired.  [] 1 120,  [] 120,  [] 120,  [] 365(c),  and which status as a small entity is still proper and desired.  [] A copy of the statement in the prior application is included. Filing Fee Calculation (50% of A, B or C above)  S						
[ ] Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and attached.  WARNING:  "Status as a small entity must be specifically established in each application or patent in which available and desired. Status as a small entity in one application or patent does not affect any or or patent, including applications or patents which are directly or indirectly dependent upon the patent in which the status has been established. The refiling of an application under § 1.53 as division, or continuation-in-part (including a continued prosecution application under § 1.53 (d)) a reissue application requires a new determination as to continued entitlement to small entit continuing or reissue application. or a reissue application claiming benefit under 35 U.S. 121, or 365(c) of a prior application or on a reissue application or the patent in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the sm statutory filing fee will be treated as such a reference for purposes of this section." 37 CFR 1.286 (complete the following, if application  [ ] Status as a small entity was claimed in prior application  from which benefit is being claimed for this application  from which benefit is being claimed for this application  at 119(e),  [ ] 120,  [ ] 121,  [ ] 365(c),  and which status as a small entity is still proper and desired.  [ ] A copy of the statement in the prior application is included.  Filing Fee Calculation (50% of A, B or C above)  S						
attached.  WARNING:  "Status as a small entity must be specifically established in each application or patent in which available and desired. Status as a small entity in one application or patent does not affect any or or patent, including applications or patents which are directly or indirectly dependent upon the patent in which the status has been established. The refiling of an application under § 1.53 as division, or continuation-in-part (including a continued prosecution application under § 1.513 as a division, or continuation requires a new determination as to continued entitlement to sm.131(all) a reissue application requires a new determination as to continued entitlement to sm.131(all) a reissue application or in the patent of a prication or a reissue application may rely on a statement if the nonprovisional application or the reissue application include the statement in the prior application or in the patent or includes a copy of the statement in the por in the patent and status as a small entity is still proper and desired. The payment of the sm statutory filing fee will be treated as such a reference for purposes of this section." 37 CFR 1.286 (complete the following, if applicable)  [ ] Status as a small entity was claimed in prior application on from which benefit is being claimed for this application and which status as a small entity is still proper and desired.  [ ] 120,						
available and desired. Status as a small entity in one application or patent does not affect any or or patent, including applications or patents which are directly or indirectly dependent upon the patent in which the status has been established. The refiling of an application under § 1.53 as division, or continuation-in-part (including a continued prosecution application under § 1.53 (a) a reissue application requires a new determination as to continued entitlement to small entity continuing or reissue application, or a reissue application claiming benefit under 35 U.S. 121, or 365(c) of a prior application, or a reissue application may rely on a statement fill application or in the patent if the nonprovisional application may rely on a statement fill application or in the patent if the nonprovisional application may rely on a statement fill application or in the patent or includes a copy of the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the sm statutory filing fee will be treated as such a reference for purposes of this section." 37 CFR 1.286 (complete the following, if applicable)  [ ] Status as a small entity was claimed in prior application	1.27 is (are)					
[ ] Status as a small entity was claimed in prior application	ther application or a continuation, or the filing of y status for the .C. 119(e), 120, led in the prior is a reference to rior application all entity basic					
from which benefit is being claimed for this applicat  35 U.S.C. § [ ] 119(e),						
from which benefit is being claimed for this applicat  35 U.S.C. § [ ] 119(e),	, filed					
[ ] 120, [ ] 121, [ ] 365(c),  and which status as a small entity is still proper and desired.  [ ] A copy of the statement in the prior application is included. Filing Fee Calculation (50% of A, B or C above)  **NOTE: Any excess of the full fee paid will be refunded if a small entity status is established refund request ar	ion under:					
[ ] A copy of the statement in the prior application is included. Filing Fee Calculation (50% of A, B or C above) \$  NOTE: Any excess of the full fee paid will be refunded if a small entity status is established refund request ar						
Filing Fee Calculation (50% of A, B or C above)  \$	and which status as a small entity is still proper and desired.					
· · · · · · · · · · · · · · · · · · ·						
12. Request for International-Type Search (37 C.F.R. 1.104(d))  (complete, if applicable)						
[ ] Please prepare an international-type search report for this application at the national examination on the merits takes place.	e time when					

[X]	Incorporation	ı by	reference of	added	pages
-----	---------------	------	--------------	-------	-------

(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)

	[X]	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
		Number of pages added5
	[X]	Plus Added Pages for Papers Referred to in Item 4 Above
		Number of pages added4
	[ ]	Plus added pages deleting names of inventor(s) named on prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.  Number of pages added
	[]	Plus "Assignment Cover Letter Accompanying New Application"  Number of pages added
[]	State	nent Where No Further Pages Added
		further pages form a part of this Transmittal, then end this Transmittal with this page and the following item)
	[]	This transmittal ends with this page.

## ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: See 37 CFR 1.78.

#### 17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

[X] Amend the specification by inserting, before the first line, the following sentence:

## A. 35 U.S.C. 119(e)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending provisional applications must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior provisional application, identifying it as a provisional application, and including the provisional application number (consisting of series code and serial number)." 37 C.F.R. § 1.78(a)(4).

[X] "This application claims the benefit of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:	FILING DATE	
60/409,239	September 9, 2003	'
		—',

#### B. 35 U.S.C. 120, 121 and 365(c)

NOTE: "Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application claiming the benefit of one or more prior filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. . . . Cross-references to other related applications may be made when appropriate." (See § 1.14(a)). 37  $C.F.R. \S 1.78(a)(2).$ 

[]	"This application is a			
	[] continuation			
	[ ] continuation-in-part			
	[ ] divisional			
of c	copending application(s)			
[]	application number	filed on	·	
[]	International Applicationdesignated the U.S."		filed on	and which
VOTE:	The proper reference to a prior filed PCT appl the filing date of the PCT application that desig		l the U.S. national pho	ise is the U.S. serial number and
NOTE:	(1) Where the application being transmitted ada a continuation-in-part or (2) if it is desired to de			
NOTE:	The deadline for entering the national phase is April 28, 1987 (1079 O.G. 32 to 46) as follows:		international application	on was clarified in the Notice of
	"The Patent and Trademark Office considers a priority date if the United States has been desig filed prior to the expiration of the 19th month Demand for International Preliminary Examine expiration of the 19th month from the prioric communicated to the Patent and Trademark international application has not been communicated respectively, the international application priority date respectively. These periods have be 1.495. A continuing application under 35 Uniternational application."	gnated and no Denic from the priority do ation which elected ity date, provided to Office within the . unicated to the Pat ion becomes abando been placed in the re	and for International P tate and until the 32nd the United States of A that a copy of the int 20 or 30 month perio ent and Trademark O oned as to the United ules as paragraph (h) o	reliminary Examination has been month from the priority date if a merica has been filed prior to the ernational application has been and respectively. If a copy of the office within the 20 or 30 month States 20 or 30 months from the of § 1.494 and paragraph (i) of §
[]	"The nonprovisional application designum/ U.S. Provisional Application(s) No(s).	nated above, nar	mely application	_, claims the benefit of
	U.S. Provisional Application(s) No(s).	:		
APPLI	CATION NO(S).:			FILING DATE
	_/			,,
				"
		<del></del>		<del> </del>
[]	Where more than one reference is mad	le above please	combine all referen	nces into one sentence.

## 18. Relate Back-35 U.S.C. 119 Priority Claim for Prior Application

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17B, in turn itself claim(s) foreign priority(ies) as follows: Filed Country Appln. no. The certified copy(ies) has (have) been filed on \_\_\_\_\_, in prior application \_\_\_\_\_, which was filed on [] is (are) attached. WARNING: The certified copy of the priority application that may have been communicated to the PTO by the International Bureau may not be relied on without any need to file a certified copy of the priority application in the continuing application. This is so because the certified copy of the priority application communicated by the International Bureau is placed in a folder and is not assigned a U.S. serial number unless the national stage is entered. Such folders are disposed of if the national stage is not entered. Therefore, such certified copies may not be available if needed later in the prosecution of a continuing application. An alternative would be to physically remove the priority documents from the folders and transfer them to the continuing application. The resources required to request transfer, retrieve the folders, make suitable record notations, transfer the certified copies, enter and make a record of such copies in the Continuing Application are substantial. Accordingly, the priority documents in folders of international applications that have not entered the national stage may not be relied on. Notice of April 28, 1987 (1079 O.G. 32 to 46). 19. Maintenance of Copendency of Prior Application The PTO finds it useful if a copy of the petition filed in the prior application extending the term for response is filed with the papers constituting the filing of the continuation application. Notice of November 5, 1985 (1060 O.G. 27). A. [ ] Extension of time in prior application (This item must be completed and the papers filed in the prior application, if the period set in the prior application has run.) A petition, fee and response extends the term in the pending **prior** application until [ ] A copy of the petition filed in prior application is attached. **B.** [ ] Conditional Petition for Extension of Time in Prior Application (complete this item, if previous item not applicable) A conditional petition for extension of time is being filed in the pending **prior** application. [ ] A copy of the conditional petition filed in the prior application is attached.

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed-page 3 of 5)

## 20. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed

(complete applicable item (a), (b) and/or (c) below) This application discloses and claims only subject matter disclosed in the prior application (a) [ ] whose particulars are set out above and the inventor(s) in this application are [ ] the same. [ ] less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted: (type name(s) of inventor(s) to be deleted) This application discloses and claims additional disclosure by amendment and a new (b) [] declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are [ ] the same. [ ] the following additional inventor(s) have been added: (type name(s) of inventor(s) to be deleted) The inventorship for all the claims in this application are (c) [ ] [ ] the same. 1 not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made [ ] is submitted. [ ] will be submitted.

## 21. Abandonment of Prior Application (if applicable)

Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application copending with said prior application.

NOTE: According to the Notice of May 13, 1983 (103, TMOG 6-7), the filing of a continuation or continuation-in-part application is a proper response with respect to a petition for extension of time or a petition to revive and should include the express abandonment of the prior application conditioned upon the granting of the petition and the granting of a filing date to the continuing application.

(Added Page for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed)

# 22. Petition for Suspension of Prosecution for the Time Necessary to File an Amendment

WARNI	NG: "The claims of a new application may be finally rejected in the first Office action in those situations where (1) the new application is a continuing application of, or a substitute for, an earlier application, and (2) all the claims of the new application (a) are drawn to the same invention claimed in the earlier application, and (b) would have been properly finally rejected on the grounds of art of record in the next Office action if they had been entered in the earlier application." MPEP, § 706.07(b).
NOTE:	Where it is possible that the claims on file will give rise to a first action final for this continuation application and for some reason an amendment cannot be filed promptly (e.g., experimental data is being gathered) it may be desirable to file a petition for suspension of prosecution for the time necessary.
	(check the next item, if applicable)
[]	There is provided herewith a Petition To Suspend Prosecution for the Time Necessary to File An Amendment (New Application Filed Concurrently)
23. Sm	all Entity (37 CFR § 1.28(a))
[]	Applicant has established small entity status by the filing of a statement in parent application No.
	[ ] A copy of the statement previously filed is included.
WARNI	NG: See 37 CFR § 1.28(a).
24. NO	TIFICATION IN PARENT APPLICATION OF THIS FILING
[]	A notification of the filing of this (check one of the following)
	[ ] continuation [ ] continuation-in-part [ ] divisional
in bridge	Stadio the manual conficution from which this conficution also wisnist and 25 H.C.C. \$ 120

is being filed in the parent application, from which this application claims priority under 35 U.S.C. § 120.